

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Hirokazu TOHYA  
Title: BROADBAND CIRCUIT  
Appl. No.: Unassigned  
Filing Date: 10/3/2005  
Examiner: Unassigned  
Art Unit: Unassigned

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicant in order to comply with Applicant's duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the date of entry of the national stage as set forth in 37 CFR §1.491.

**RELEVANCE OF EACH DOCUMENT**

Any document listed on the attached PTO/SB/08 was cited as being relevant during the prosecution of the corresponding International application and/or is discussed in the specification. A copy of the International Search Report is attached setting forth the portion of each document considered relevant by the examiner. An English-language counterpart or abstract of the foreign-language documents has been provided where readily available. The absence of a translation or an English-language counterpart document does not relieve the PTO from its duty to consider any submitted document (37 CFR §1.98 and MPEP§609).

Applicant respectfully requests that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date October 3, 2005

By 

FOLEY & LARDNER LLP  
Customer Number: 22428  
Telephone: (202) 672-5407  
Facsimile: (202) 672-5399

David A. Blumenthal  
Attorney for Applicant  
Registration No. 26,257

10/551413

MODIFIED PTO/SB/08. (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

1012 REC d PCT/PT 03 OCT 2005

Substitute for form 1449B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  Date Submitted: October 3, 2005  <i>(use as many sheets as necessary)</i>				Application Number	Unassigned
				Filing Date	10/3/2005
				First Named Inventor	Hirokazu TOHYA
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
Sheet	1	of	1	Attorney Docket Number	072982-0267

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	A1	4,935,710		YAMAZAKI et al.	06/19/1990	= A8
	A2	4,815,075		CAMERON, Richard J.	03/21/1989	= A4 and A6
	A3	5,903,820		HAGSTRÖM, Panu	05/11/1999	= A5 and A10

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	A4	EP	0240634	A2	COM DEV LTD	10/14/1987	= A2	
	A5	EP	0736978	A2	LK-PRODUCTS OY	10/09/1996	= A3	
	A6	JP	62-239702	A	COM DEV LTD	10/20/1987	= A2	A
	A7	JP	4-44702	U		04/16/1992		
	A8	JP	5-46724	B2	NIPPONDENSO CO LTD	07/14/1993	= A1	A
	A9	JP	2501994	B2	NIPPON T&T CORP	03/13/1996		A
	A10	JP	8-316870	A	LK PROD OY	11/29/1996	= A3	A
	A11	JP	2000-59167	A	EM TECHNO KK	02/25/2000		A
	A12	JP	2001-15885	A	MURATA MFG CO LTD	01/19/2001		A
	A13	JP	2001-177305	A	NEC CORP	06/29/2001		A
	A14	JP	2002-9507	A	NIPPON DENGYO KOSAKU KK	01/11/2002		A
	A15	JP	2002-26603	A	MITSUBISHI ELEC CORP	01/25/2002		A
	A16	JP	2002-217603	A	MITSUBISHI ELEC CORP	08/02/2002	= A18	A
	A17	JP	2002-252330	A	MITSUBISHI ELEC CORP	09/06/2002		A
	A18	WO	02/056409	A1	MITSUBISHI DENKI KABUSHIKI KAISHA	07/18/2002	= A16	A

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.